



Patent  
Attorney's Docket No. 0023-0128CIP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of )  
Valentino LIVA et al. ) Group Art Unit: 2661  
Application No.: 10/033,378 ) Examiner: Unassigned  
Filed: October 24, 2001 )  
For: ENHANCED FIBER NODES WITH )  
CMTS CAPABILITY )

**INFORMATION DISCLOSURE STATEMENT**  
**TRANSMITTAL LETTER**

U.S. Patent and Trademark Office  
Customer Service Window, Mail Stop Amendment  
Randolph Building  
401 Dulany Street  
Alexandria, Virginia 22314

Sir:

Enclosed is an Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

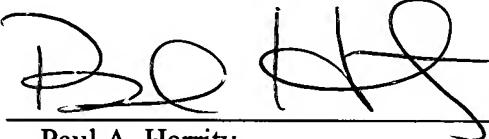
- No additional fee for submission of the IDS is required.
- The fee of \$180.00 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- A certification under 37 C.F.R. § 1.97(e) is also enclosed.
- Charge \$ \_\_\_\_\_ to Deposit Account No. 50-1070 for the fee due.
- A check in the amount of \$ \_\_\_\_\_ is enclosed for the fee due.

Information Disclosure Statement Transmittal Letter  
Application Serial No. 10/033,378  
Attorney's Docket No. 0023-0128CIP  
Page 2

The Commissioner is hereby authorized to charge any other appropriate fees that may be required by this paper that are not accounted for above, and to credit any overpayment, to Deposit Account No. 50-1070.

Respectfully submitted,

HARRITY & SNYDER, L.L.P.

By:   
Paul A. Harrity  
Reg. No. 39,574

11240 Waples Mill Road  
Suite 300  
Fairfax, Virginia 22030  
(571) 432-0800

**CUSTOMER NUMBER: 26615**

Date: January 14, 2005



Patent  
Attorney's Docket No. 0023-0128CIP

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of )  
Valentino LIVA et al. ) Group Art Unit: 2661  
Application No.: 10/033,378 ) Examiner: Unassigned  
Filed: October 24, 2001 )  
For: ENHANCED FIBER NODES WITH )  
CMTS CAPABILITY )

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

U.S. Patent and Trademark Office  
Customer Service Window, Mail Stop Amendment  
Randolph Building  
401 Dulany Street  
Alexandria, Virginia 22314

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant(s) bring to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed before the mailing date of a first Office Action in the above-referenced application. As such, no certification or fee is required. Copies of the non-U.S. patent documents are attached.

Applicant(s) respectfully request(s) that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

Information Disclosure Statement Under 37 C.F.R. § 1.97(b)  
Application Serial No. 10/033,378  
Attorney's Docket No. 0023-0128CIP  
Page 2

If any copending application(s) is/are cited on the attached PTO 1449, the Examiner's attention is directed to the foregoing application(s) in compliance with § 2001.06(b) of the Manual of Patent Examining Procedure. By identifying the copending application(s), the assignee and/or applicant of the application(s) do not waive confidentiality of the application(s). Accordingly, the U.S. Patent and Trademark Office is requested to maintain the confidentiality of the copending application(s) under 35 U.S.C. § 122.

This submission does not represent that a search has been made and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicant(s) determine(s) that the cited document(s) do not constitute "prior art" under United States law, Applicant(s) reserve(s) the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicant(s) further reserve(s) the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

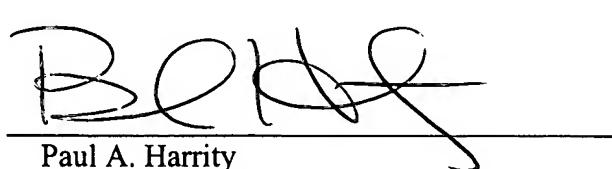
Information Disclosure Statement Under 37 C.F.R. § 1.97(b)  
Application Serial No. 10/033,378  
Attorney's Docket No. 0023-0128CIP  
Page 3

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 50-1070.

Respectfully submitted,

HARRITY & SNYDER, L.L.P.

By:



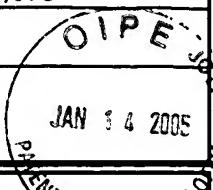
Paul A. Harrity  
Reg. No. 39,574

11240 Waples Mill Road  
Suite 300  
Fairfax, Virginia 22030  
(571) 432-0800

**CUSTOMER NUMBER: 26615**

Date: January 14, 2005

INFORMATION DISCLOSURE CITATION PTO-1449		CUSTOMER NUMBER  26615	ATTORNEY'S DKT NO. 0023-0128CIP	APPLICATION NO. 10/033,378
			APPLICANT(S) Valentino LIVA et al.	FILING DATE October 24, 2001



## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	5,533,023	07/02/1996	Ohlson et al.			
	5,903,550	05/11/1999	Spock			
	6,452,424	09/17/2002	Shamlou et al.			
	6,574,797	06/03/2003	Naegeli et al.			
	6,650,624	11/18/2003	Quigley et al.			
	6,721,371	04/13/2004	Barham et al.			
	6,263,195	07/17/2001	Niu et al.			
	6,282,184	08/28/2001	Lehman et al.			
	6,160,572	12/12/2000	Matsuura			
	6,088,399	07/11/2000	Luz et al.			
	5,590,156	12/31/1996	Carney			

## FOREIGN PATENT DOCUMENTS

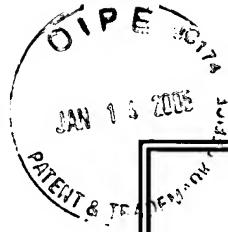
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Alok Sharma, co-pending U.S. Patent Application No. 09/800,397, filed March 5, 2001, entitled "Transceiver Channel Bank with Reduced Connector Density", 45 pp.
	Valentino Liva et al., co-pending U.S. Patent Application No. 09/715,992, filed November 16, 2000, entitled "Methods and Apparatus for Transmission of Analog Channels Over Digital Packet Networks", 57 pp.
	"Data-Over-Cable Service Interface Specifications: Radio Frequency Interface Specification", SP-RFIV1.1-I03-991105, 1999 Cable Television Laboratories, Inc., 382 pp.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).



<b>INFORMATION DISCLOSURE CITATION</b> PTO-1449		<b>CUSTOMER NUMBER</b> 26615	<b>ATTORNEY'S DKT No.</b> 0023-0128CIP		<b>APPLICATION NO.</b> 10/033,378	
			<b>APPLICANT(S)</b> Valentino LIVA et al.			
<b>FILING DATE</b> October 24, 2001			<b>GROUP</b> 2661			
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	5,930,231	07-1999	Miller et al.			
	6,356,374	03-2002	Farhan			
	6,449,071	09-2002	Farhan et al.			
	6,519,773	02-2003	Ahmed et al.			
	6,021,158	02-2000	Schurr et al.			
	6,608,837	08-2003	Brodigan			
<b>FOREIGN PATENT DOCUMENTS</b>						
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						Yes
						No
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>						
	Valentino Liva et al., co-pending U.S. Patent Application No. 10/033,383, filed October 24, 2001, entitled "Enhanced CMTS for reliability, availability, and serviceability", 58 pp.					
<b>EXAMINER</b>			<b>DATE CONSIDERED</b>			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).